

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:  
Daniel J. Bolda et al.

Serial No.: 09/675,858

Filed: September 29, 2000

For: ADJUSTABLE GAIN PRECISION  
FULL WAVE RECTIFIER WITH  
REDUCED ERROR

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Group Art Unit: 2819

Examiner: Jeanglaude, Jean B.

Atty. Docket: 99AB139-A/YOD  
ALBR:0067--1

**VIA Facsimile (703) 308-6251**

Assistant Commissioner

for Patents

**BOX ISSUE FEE**

Washington, D.C. 20231

CERTIFICATE OF TRANSMISSION OR MAILING  
37 C.F.R. 1.8

I hereby certify that this correspondence is being transmitted by facsimile to the United States Patent and Trademark Office in accordance with 37 C.F.R. 1.6(d) or is being deposited with the U.S. Postal Service as First Class Mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on the date below:

August 27, 2002

Date

Lynda Howell

Sir:

**AMENDMENT UNDER 37 C.F.R. § 1.312**

Applicants hereby request an amendment in accordance with 37 C.F.R. § 1.312 as summarized below.

Prior to issuance of the above-referenced application, Applicants hereby request entry of the following amendment:

**IN THE SPECIFICATION**

Please add the following sentence directly below the title in the specification:

The following is a continuation of application Serial No. 09/407,603, filed on September 28, 1999.

Serial no. 09/675,858  
Amendment Under 37 C.F.R. §1.312  
Page 2

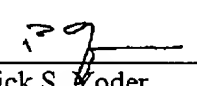
**REMARKS**

Applicants wish to thank the Examiner for the brief telephonic interview held with the undersigned on August 27, 2002 in which the Examiner pointed out the inadvertent exclusion of the cross-reference to the earlier-filed application, of which the present application is a continuation. By the present amendment the required cross-reference is added. Should the Examiner have any questions concerning the amendment, the Examiner is invited to contact the undersigned at the telephone number listed below.

Attached hereto is a marked-up version of the changes made to the drawings and claims by the current amendment. The attached page is captioned "Version with markings to show changes made."

Date: 8/27/2002

Respectfully submitted,

  
Patrick S. Yoder  
Reg. No. 37,479  
Fletcher, Yoder & Van Someren  
P.O. Box 692289  
Houston, TX 77269-2289  
(281) 970-4545

**CORRESPONDENCE ADDRESS**  
ALLEN-BRADLEY COMPANY, LLC  
Patent Department/704P Floor 8 T-29  
1201 South Second Street  
Milwaukee, Wisconsin 53204  
Attention: Mr. Alexander Gerasimow  
Phone: (414) 382-2000

Serial no. 09/675,858  
Amendment Under 37 C.F.R. §1.312  
Page 3

**VERSION WITH MARKINGS TO SHOW CHANGES MADE**

**IN THE SPECIFICATION**

The specification has been changed to add the following:

The following is a continuation of application Serial No. 09/407,603, filed on  
September 28, 1999.

\*\*\*\*\*  
\*\*\* TX REPORT \*\*\*  
\*\*\*\*\*

TRANSMISSION OK

TX/RX NO 4498  
CONNECTION TEL 17033086251  
SUBADDRESS  
CONNECTION ID UM1  
ST. TIME 08/27 15:18  
USAGE T 01'02  
PGS. 4  
RESULT OK

## FLETCHER, YODER & VAN SOMEREN

A Professional Corporation

Attorneys at Law

7915 FM 1960 West, Suite 330  
Houston, Texas 77070

Post Office Box 692289  
Houston, Texas 77269-2289

Telephone (281) 970-4545  
Facsimile (281) 970-4503

### Facsimile Transmission

DATE: August 27, 2002	FILE: 99AB139-A/ALBR:0067-1
TO: Examiner Jean B. Jeanglaude	COMPANY: Patent & Trademark Office
FROM: Patrick S. Yoder	EXTENSION: (281) 970-4545
FACSIMILE NUMBER: (703) 308-6251	NUMBER OF PAGES TO FOLLOW: 3

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NOTES/COMMENTS:

*Amendment under 37 C.F.R. § 1.312 attached.*

*Thank you.*

**FLETCHER, YODER & VAN SOMEREN**

A Professional Corporation

Attorneys at Law

7915 FM 1960 West, Suite 330  
Houston, Texas 77070Post Office Box 692289  
Houston, Texas 77269-2289Telephone (281) 970-4545  
Facsimile (281) 970-4503**Facsimile Transmission**

DATE: August 27, 2002	FILE: 99AB139-A/ALBR:0067--1
TO: Examiner Jean B. Jeanglaude	COMPANY: Patent & Trademark Office
FROM: Patrick S. Yoder	EXTENSION: (281) 970-4545
FACSIMILE NUMBER: (703) 308-6251	NUMBER OF PAGES TO FOLLOW: 3

**URGENT, PLEASE DELIVER IMMEDIATELY**

NOTES/COMMENTS:

*Amendment under 37 C.F.R. § 1.312 attached.**Thank you.***CONFIDENTIALITY NOTE**

*The documents accompanying this facsimile transmission contain information from the law firm of Fletcher, Yoder & Van Someren, P.C. which is confidential or privileged. The information is intended to be for the use of the individual or entity named on this transmission sheet. If you are not the intended recipient, be aware that any disclosure, copying, distribution or use of the contents of this faxed information is prohibited. If you have received this facsimile in error, please notify us by telephone immediately so that we can arrange for the retrieval of the original documents at no cost to you.*

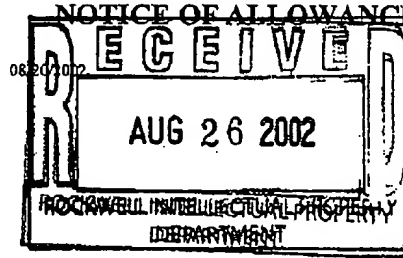


## UNITED STATES PATENT AND TRADEMARK OFFICE

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John J Horn  
Rockwell Automation  
1201 South Second Street  
Milwaukee, WI 53204

7590



EXAMINER	
JEANGLAUDE, JEAN BRUNER	
ART UNIT	CLASS-SUBCLASS
2819	341-139000

DATE MAILED: 08/20/2002

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/675,858	09/29/2000	Daniel J. Bolda	99AB139-A	1079

TITLE OF INVENTION: ADJUSTABLE GAIN PRECISION FULL WAVE RECTIFIER WITH REDUCED ERROR

**DOCKETED**  
FOR  
BY [Signature]  
CHECK'D BY [Signature]

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1280	\$0	\$1280	11/20/2002

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. **PROSECUTION ON THE MERITS IS CLOSED.** THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. **THIS STATUTORY PERIOD CANNOT BE EXTENDED.** SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

**HOW TO REPLY TO THIS NOTICE:****I. Review the SMALL ENTITY status shown above.**

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.

☐ Applicant claims SMALL ENTITY status.  
See 37 CFR 1.27.

**II. PART B - FEE(S) TRANSMITTAL** should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

**III.** All communications regarding this application must give the application number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

**IMPORTANT REMINDER:** Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

**Notice of Allowability**

Application No.

09/675,858

Applicant(s)

BOLDA ET AL

Examiner

Jean B Jeanglaude

Art Unit

2819

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment files on 06-19-02.
2. ☒ The allowed claim(s) is/are 32-69.
3. ☐ The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- \* Certified copies not received: \_\_\_\_\_.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
  - (a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☒ CORRECTED DRAWINGS must be submitted.
  - (a) ☒ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☒ to Paper No. 9.
  - (b) ☐ including changes required by the proposed drawing correction filed \_\_\_\_\_, which has been approved by the Examiner.
  - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the top margin (not the back) of each sheet. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |  |
|--|--|
| 1 <input type="checkbox"/> Notice of References Cited (PTO-892)  | 2 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3 <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                    | 4 <input type="checkbox"/> Interview Summary (PTO-413), Paper No. _____    |
| 5 <input type="checkbox"/> Information Disclosure Statements (PTO-1449), Paper No. _____               | 6 <input type="checkbox"/> Examiner's Amendment/Comment                    |
| 7 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8 <input type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|  | 9 <input type="checkbox"/> Other   |

*Peguy Jeanpierre*  
PEGUY JEANPIERRE  
PRIMARY EXAMINER



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/675,858	09/29/2000	Daniel J. Bolda	99AB139-A	1079
7590	08/20/2002		EXAMINER	
JEANGLAUDE, JEAN BRUNER				
ART UNIT			PAPER NUMBER	
2819				

John J Horn  
 Rockwell Automation  
 1201 South Second Street  
 Milwaukee, WI 53204

DATE MAILED: 08/20/2002

**Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)**  
 (application filed on or after May 29, 2000)

The patent term adjustment to date is 0 days. If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the term adjustment will be 0 days.

If a continued prosecution application (CPA) was filed in the above-identified application, the filing date that determines patent term adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system. (<http://pair.uspto.gov>)





UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
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Washington, D.C. 20591  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/475,858	09/29/2000	Daniel J. Boldt	99AB139-A	1079

15911

09/07/2002

John J. Horn  
Rockwell Automation  
1201 South Second Street  
Milwaukee, WI 53204

EXAMINER

JEANGLAUDE, JEAN BRUNER

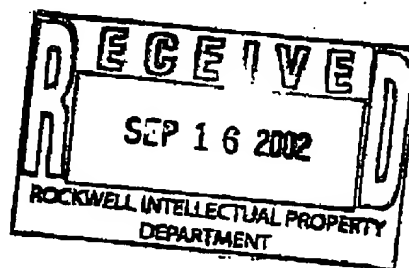
ART UNIT

PAPER NUMBER

2819

DATE MAILED: 09/07/2002

Please find below and/or attached an Office communication concerning this application or proceeding.



RAV ALBR:DO67  
ICB-AMG

PTO-90C (Rev. 07-01)

<b>Response to Rule 312 Communication</b>	Application No.	Applicant(s)	
	09/675,858	BOLDA ET AL	
	Examiner	Art Unit	
	Jean B Jeanglaude	2819	

— The MAILING DATE of this communication appears on the cover sheet with the correspondence address —

1. ☒ The amendment filed on 27 August 2002 under 37-CFR 1.312 has been considered, and has been:

a) ☒ entered.

b) ☐ entered as directed to matters of form not affecting the scope of the invention.

c) ☐ disapproved because the amendment was filed after the payment of the issue fee.

Any amendment filed after the date the issue fee is paid must be accompanied by a petition under 37 CFR 1.313(c)(1) and the required fee to withdraw the application from issue.

d) ☐ disapproved. See explanation below.

e) ☐ entered in part. See explanation below.

*Peguy Jeanpierre*  
 PEGUY JEANPIERRE  
 PRIMARY EXAMINER

Please indicate receipt of

Please indicate receipt of  
the below-identified paper:☐ New application

Specification: \_\_\_\_\_

Pages: \_\_\_\_\_

Drawings: \_\_\_\_\_ Sheets

☐ Continuation☐ Divisional☐ CIP☐ Response to Office Action dated \_\_\_\_\_☐ Final Rejection☒ Other Transmittal of Formal Drawings; 3 sheets of formal drawings☐ Assignment enclosed☒ Cert. Of Timely Mailing☐ Express Mail

Identification of Application:

09/675,858

Serial No.

Title ADJUSTABLE GAIN PRECISION FULL WAVE RECTIFIER WITHWITH REDUCED ERROR

Applicant

Daniel J. Bolda et al.

Client

Rockwell

File No.

ALR:0067-1/99AB139-A

Attorney

YOD

Mailed

10/23/02

Filed

Due Date

11/20/02

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Daniel J. Bolda et al.

Serial No.: 09/675,858

Filed: September 29, 2000

For: ADJUSTABLE GAIN PRECISION  
FULL WAVE RECTIFIER WITH  
REDUCED ERROR§  
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Group Art Unit: 2819

Examiner: Jeanglaude, Jean B.

Atty Docket: 99AB139-A/YOD  
(ALBR:0067--1)Assistant Commissioner  
for Patents  
Washington, D.C. 20231  
ATTN: OFFICIAL DRAFTSMANCERTIFICATE OF MAILING  
37 C.F.R. 1.8I hereby certify that this correspondence is being deposited with the U.S.  
Postal Service as First Class Mail in an envelope addressed to: Assistant  
Commissioner for Patents, Washington, D.C. 20231, on the date below:

10/23/02

Date

Lynda Howell

Sir:

TRANSMITTAL OF FORMAL DRAWINGSEnclosed are two (2) sheets of formal drawings for the above-referenced patent  
application.

Respectfully submitted,

Date: 10/23/2002Patrick S. Yoder  
Patrick S. Yoder  
Reg. No. 37,479  
Fletcher, Yoder & Van Someren  
P.O. Box 692289  
(281) 970-4545

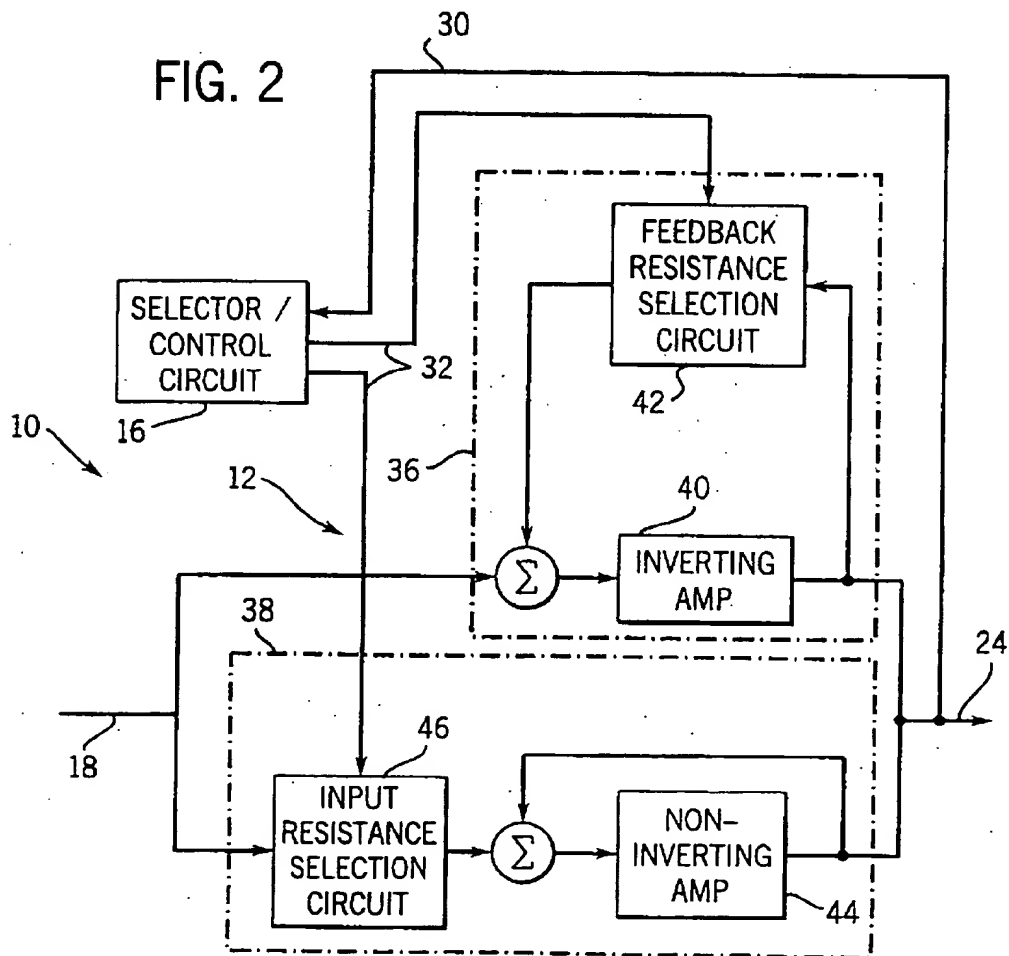
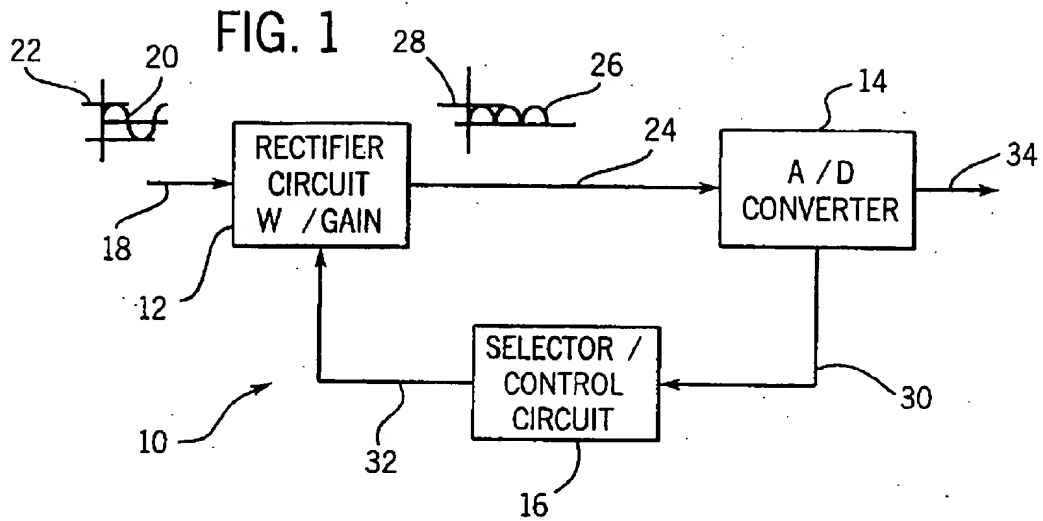
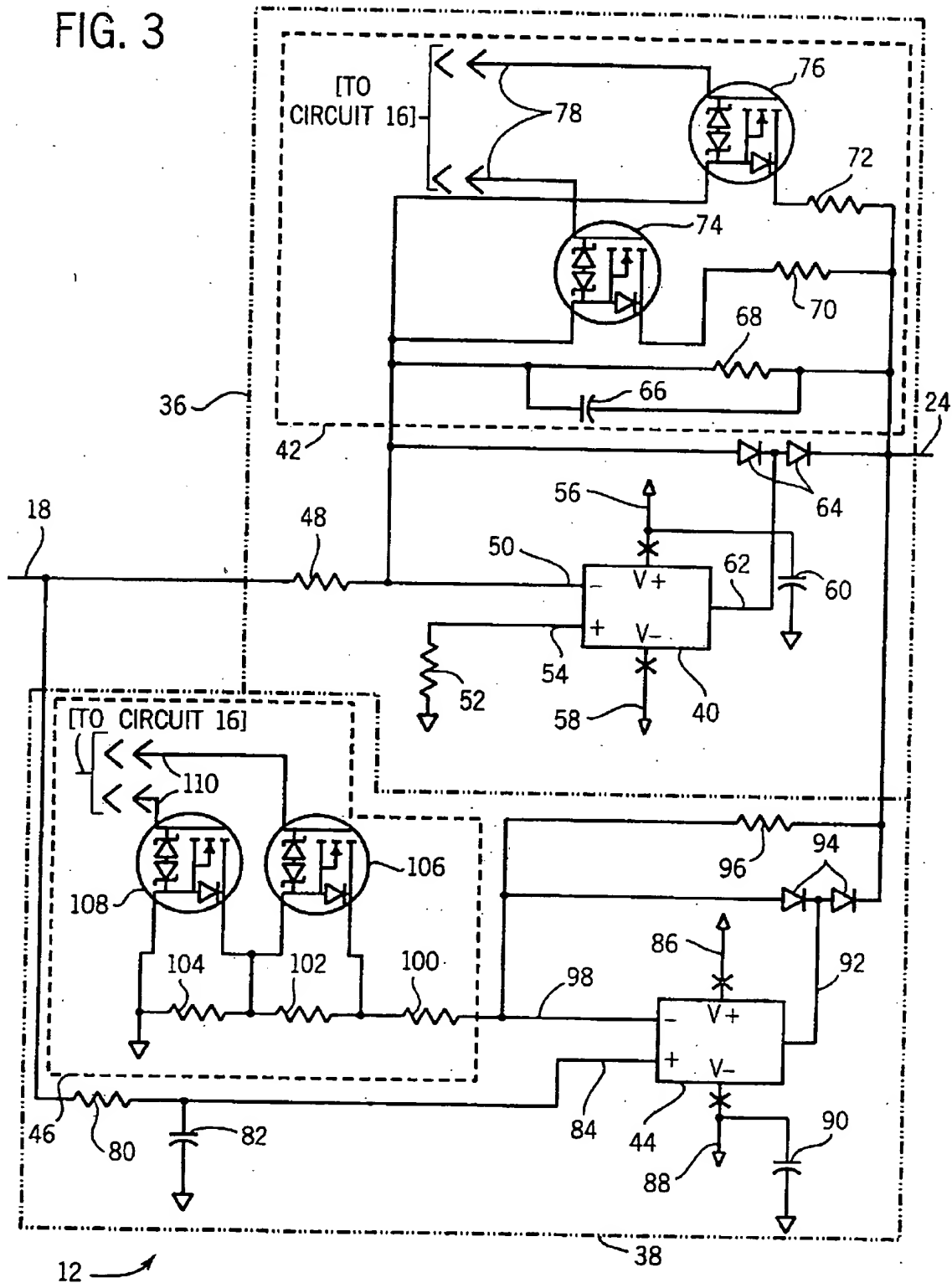


FIG. 3



**FLETCHER YODER**

A Professional Corporation

Attorneys at Law

7915 FM 1960 West, Suite 330  
Houston, Texas 77070Post Office Box 692289  
Houston, Texas 77269-2289Telephone (281) 970-4545  
Facsimile (281) 970-4503**Facsimile Transmission**

DATE: March 15, 2005	FILE: ALBR:0067-1
TO: Darlene Lyon	COMPANY: U.S. Patent and Trademark Office
FROM: Patrick S. Yoder	EXTENSION: (281) 970-4545
FACSIMILE NUMBER: (703) 746-8188	NUMBER OF PAGES TO FOLLOW: 42

**URGENT, PLEASE DELIVER IMMEDIATELY**

## NOTES/COMMENTS:

**Re: Serial No. 09/675,858**

**Please find attached copies of the papers pertaining to the above-identified application as we discussed on March 10.**

**If you have any questions, please do not hesitate to contact me. Thanks again for your help in this matter.**

**Sincerely,****Patrick S. Yoder****CONFIDENTIALITY NOTE**

*The documents accompanying this facsimile transmission contain information from the law firm of Fletcher Yoder which is confidential or privileged. The information is intended to be for the use of the individual or entity named on this transmission sheet. If you are not the intended recipient, be aware that any disclosure, copying, distribution or use of the contents of this facsimile information is prohibited. If you have received this facsimile in error, please notify us by telephone immediately so that we can arrange for the retrieval of the original documents at no cost to you.*

## PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail Box ISSUE FEE**  
**Commissioner for Patents**  
**Washington, D.C. 20231**  
**Fax (703)746-4000**

**INSTRUCTIONS:** This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

7590

08/20/2002

John J Horn  
 Rockwell Automation  
 1201 South Second Street  
 Milwaukee, WI 53204

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

## Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Box Issue Fee address above, or being facsimile transmitted to the USPTO, on the date indicated below.

Susan M. Donahue

(Depositor's name)

Susan M. Donahue

(Signature)

November 12, 2002

(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/675,858	09/29/2000	Daniel J. Bolda	99AB139-A	1079

TITLE OF INVENTION: ADJUSTABLE GAIN PRECISION FULL WAVE RECTIFIER WITH REDUCED ERROR

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1280	\$0	\$1280	11/20/2002

EXAMINER	ART UNIT	CLASS-SUBCLASS
JEANGLAUDE, JEAN BRUNER	2819	341-139000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Robert A. Van Someren

2 Alexander M. Gerasimow

3 William R. Walbrun

## 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY AND STATE OR COUNTRY)

Rockwell Automation Technologies, Inc. Mayfield Heights, Ohio 44124

Please check the appropriate assignee category or categories (will not be printed on the patent) ☐ individual ☒ corporation or other private group entity ☐ government

4a. The following fee(s) are enclosed:

☒ Issue Fee

☐ Publication Fee

☐ Advance Order - # of Copies \_\_\_\_\_

4b. Payment of Fee(s):

☐ A check in the amount of the fee(s) is enclosed.

☐ Payment by credit card. Form PTO-2038 is attached.

☒ The Commissioner is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 01-0857 (enclose an extra copy of this form).

Commissioner for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

(Authorized Signature)

(Date)

Alexander M. Gerasimow 11-12-02

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant, a registered attorney or agent, or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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ALBR:0067--1

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JAN. 16. 2003 11:42AM

ROCKWELL AUTOMATION

NO. 961

P. 2



## UNITED STATES PATENT AND TRADEMARK OFFICE

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United States Patent and Trademark Office  
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Washington, D.C. 20231  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/675,858	09/29/2000	Daniel J. Bolds	99AB139-A	1079

7590

01/07/2003

John J. Horri  
Rockwell Automation  
1201 South Second Street  
Milwaukee, WI 53204

EXAMINER

JEANGLAUDE, JEAN BRUNER

ART UNIT

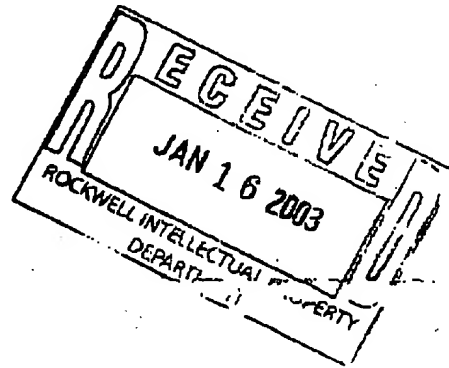
PAPER NUMBER

2819

DATE MAILED: 01/07/2003

PH16

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RESPONSE DUE

PTO-90C (Rev. 07-01)

JAN. 16. 2003 11:43AM

ROCKWELL AUTOMATION

NO. 961

P. 4

Please indicate receipt of the materials enclosed herewith by stamping  
and mailing this card:

Applicant Daniel J. Bolda, et al.

Serial # 09/675,858

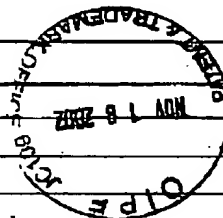
Filed September 29, 2000

For Adjustable Gain Precision Full Wave Rectifier  
with Reduced Error

Docket No./Attorney 99AB139-A / RAV/AMG

Item PART B - ISSUE FEE TRANSMITTAL

Date Mailed November 12, 2002 By SMDonahue



RE5015A

JAN. 16. 2003 11:42AM

ROCKWELL AUTOMATION

NO. 961 P. 3


**UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office**

 Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
--------------------	-------------	-----------------------	---------------------

09/675,858

EXAMINER
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ART UNIT	PAPER NUMBER
----------	--------------

P H 16

DATE MAILED:

**NOTICE OF ABANDONMENT**

This application is abandoned in view of:

- ☐ Applicant's failure to timely file a proper response to the Office letter mailed on \_\_\_\_\_.
- ☐ A response (with a Certificate of Mailing or Transmission of \_\_\_\_\_) was received on \_\_\_\_\_, which is after the expiration of the period for response (including a total extension of time of \_\_\_\_\_ month(s)) which expired on \_\_\_\_\_.
- ☐ A proposed response was received on \_\_\_\_\_, but it does not constitute a proper response to the final rejection.

(A proper response to a final rejection consists only of: a timely filed amendment which places the application in condition for allowance; a Notice of Appeal; or the filing of a continuing application under 37 CFR 1.62 (FWC).

- ☐ No response has been received.
- ☐ Applicant's failure to timely pay the required issue fee within the statutory period of three months from the mailing date of the Notice of Allowance.
- ☐ The issue fee (with a Certificate of Mailing or Transmission of \_\_\_\_\_) was received on \_\_\_\_\_.
- ☐ The submitted issue fee of \$\_\_\_\_\_ is insufficient. The issue fee required by 37 CFR 1.18 is \$\_\_\_\_\_.
- ☐ The issue fee has not been received.

☒ Applicant's failure to timely file new formal drawings as required in the Notice of Allowability.

- ☐ Proposed new formal drawings (with a Certificate of Mailing or Transmission of \_\_\_\_\_) were received on \_\_\_\_\_.
- ☐ The proposed new formal drawings filed \_\_\_\_\_ are not acceptable.
- ☒ No proposed new formal drawings have been received.
- ☐ The express abandonment under 37 CFR 1.62(g) in favor of the FWC application filed on \_\_\_\_\_.
- ☐ The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants.
- ☐ The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a) upon the filing of a continuing application.
- ☐ The decision by the Board of Patent Appeals and Interferences rendered on \_\_\_\_\_ and because the period for seeking court review of the decision has expired and there are no allowed claims.
- ☐ The reason(s) below:

**ABANDONMENT  
CONTACT PERSON IS:  
TOM HAWKINS  
305-8380**

JAN. 16. 2003 11:43AM

ROCKWELL AUTOMATION

NO. 961 P. 5

## PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail Box ISSUE FEE**  
**Commissioner for Patents**  
**Washington, D.C. 20231**  
**Fax (703)746-4000**

**INSTRUCTIONS:** This form should be used for transmitting the **ISSUE FEE** and **PUBLICATION FEE** (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

**CURRENT CORRESPONDENCE ADDRESS (Name Legibly mark-up with any corrections of use Block 1)**

7590

08/20/2002

John J Horn  
 Rockwell Automation  
 1201 South Second Street  
 Milwaukee, WI 53204

**Note:** A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

## Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Box Issue Fee address above, or being facsimile transmitted to the USPTO, on the date indicated below.

Susan M. Donahue

(Depositor's name)

Susan M. Donahue

(Signature)

November 12, 2002

(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/675,858	09/29/2000	Daniel J. Bolda	99AB139-A	1079

**TITLE OF INVENTION:** ADJUSTABLE GAIN PRECISION FULL WAVE RECTIFIER WITH REDUCED ERROR

APPL. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1280	\$0	\$1280	11/20/2002

EXAMINER	ART UNIT	CLASS-SUBCLASS
JEANGLAUDE, JEAN BRUNER	2819	341-139000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev. 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1. Robert A. Van Someren

2. Alexander M. Gerasimow

3. William R. Walbrum

## 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

**PLEASE NOTE:** Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Rockwell Automation Technologies, Inc. Mayfield Heights, Ohio 44124

Please check the appropriate assignee category or categories (will not be printed on the patent)

☐ Individual ☒ corporation or other private group entity ☐ government

4a. The following fee(s) are enclosed:

☒ Issue Fee☐ Publication Fee☐ Advance Order - # of Copies

4b. Payment of Fee(s):

☐ A check in the amount of the fee(s) is enclosed.☐ Payment by credit card. Form PTO-2038 is attached.☒ The Commissioner is hereby authorized by check the required fee(s), or credit any overpayment, to Deposit Account Number 01-0857 (enclose an extra copy of this form).

Commissioner for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

(Authorized Signature)

(Date)

Alexander M. Gerasimow 11-12-02

**NOTE:** The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant, a registered attorney or agent, or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMIT THIS FORM WITH FEE(S)

PTOL-85 (REV. 04-02) Approved for use through 01/31/2004, OMB 0651-0033

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

JAN. 16. 2003 11:43AM

ROCKWELL AUTOMATION

NO. 961

P. 6

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Daniel J. Bolda et al.

Serial No.: 09/675,858

Filed: September 29, 2000

For: ADJUSTABLE GAIN PRECISION  
FULL WAVE RECTIFIER WITH  
REDUCED ERROR§  
§ Group Art Unit: 2819  
§  
§  
§§ Examiner: Jeanglaude, Jean B.  
§  
§§ Atty Docket: 99AB139-A/YOD  
§ (ALBR:0067-1)  
§Assistant Commissioner  
for Patents  
Washington, D.C. 20231  
ATTN: OFFICIAL DRAFTSMANCERTIFICATE OF MAILING  
37 C.F.R. 1.8I hereby certify that this correspondence is being deposited with the U.S.  
Postal Service as First Class Mail in an envelope addressed to: Assistant  
Commissioner for Patents, Washington, D.C. 20231, on the date below:

10/23/02

Date

Lynda Howell

Sir:

TRANSMITTAL OF FORMAL DRAWINGSEnclosed are two (2) sheets of formal drawings for the above-referenced patent  
application.

Respectfully submitted,

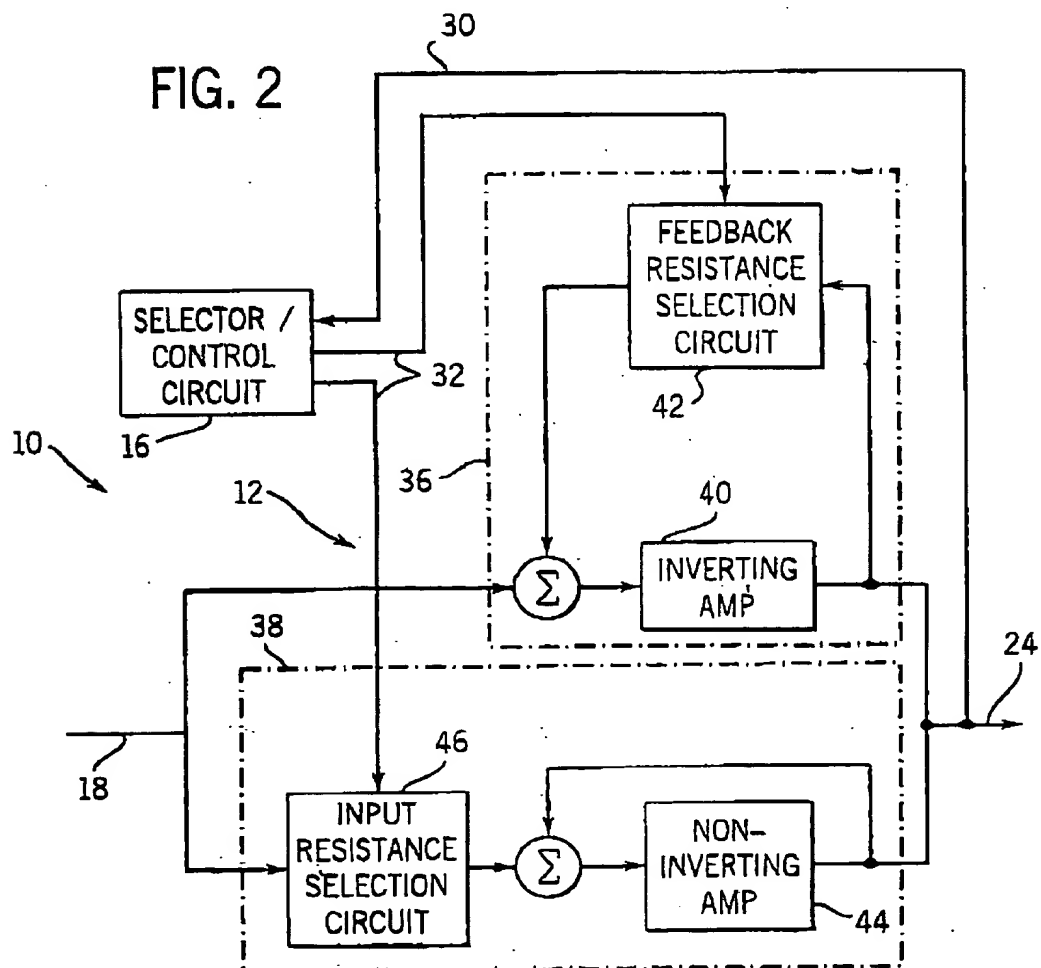
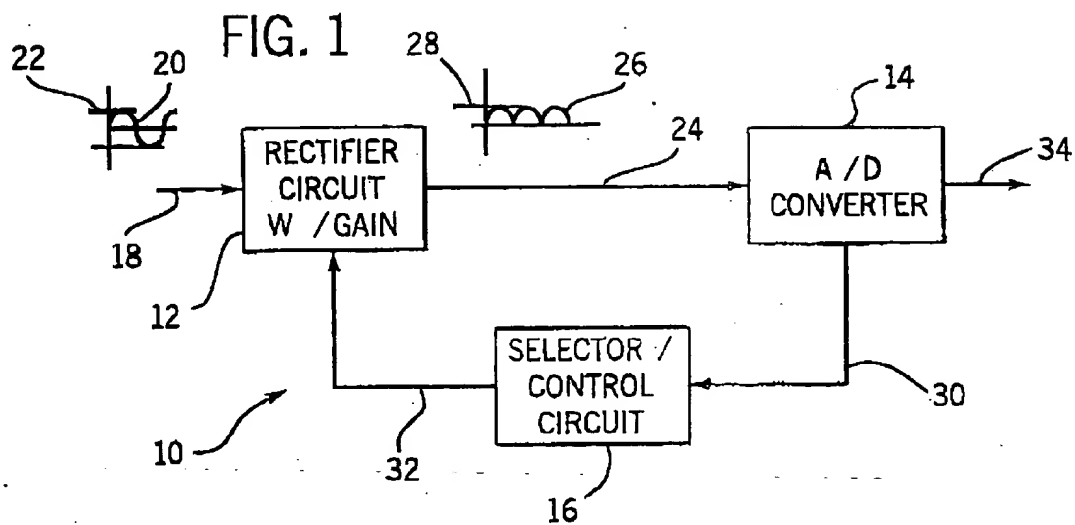
Date: 10/23/2002

\_\_\_\_\_  
Patrick S. Yoder  
Reg. No. 37,479  
Fletcher, Yoder & Van Someren  
P.O. Box 692289  
(281) 970-4545

JAN. 16. 2003 11:43AM

ROCKWELL AUTOMATION

NO. 961 P. 7

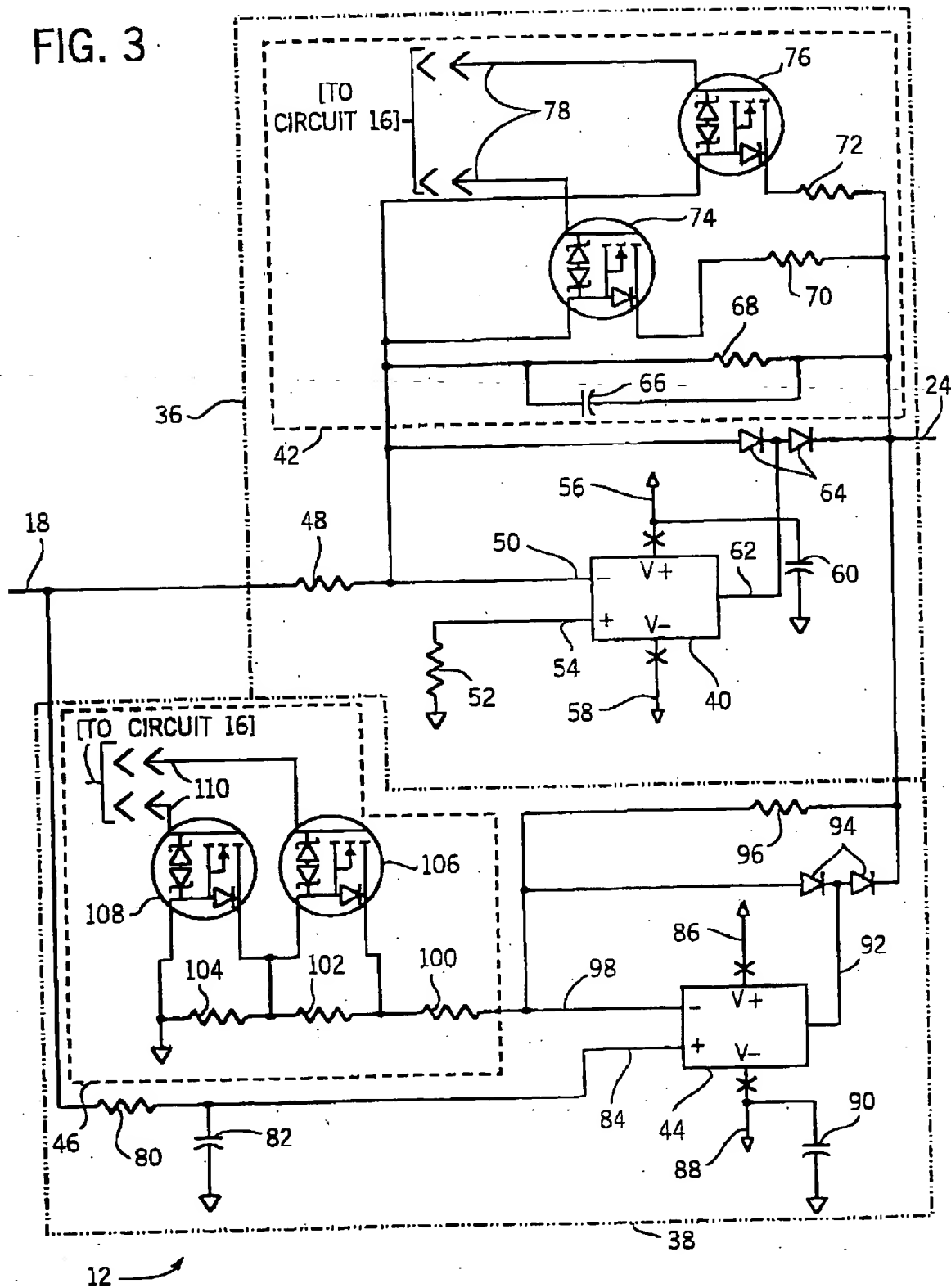


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ROCKWELL AUTOMATION

NO. 961 P. 8

FIG. 3



Please indicate receipt of  
the below-identified paper:

Please indicate receipt of  
the below-identified paper:

- ☐ New Application    ☐ Specification: \_\_\_\_\_ Pages; —Drawings: \_\_\_\_\_ Sheets
- ☐ Continuation    ☐ Divisional    ☐ CIP    ☐ CPA
- ☐ Response to Office Action dated \_\_\_\_\_ ☐ Final Rejection
- ☒ Other Petition to Withdraw Holding of Abandonment: Exhibits 1-7 including  
Declaration of Lynda Howell: a set of formal drawings
- ☐ Assignment enclosed    ☒ Cert. Of Timely Mailing    ☐ Express Mail

Identification of Application:

Serial No. 09/675,858

Title ADJUSTABLE GAIN PRECISION FULL-WAVE RECTIFIER  
WITH REDUCED ERROR

Applicant Daniel J. Bolda et al.    **Office of Patent Publication**

Client Rockwell    **Director's Office**

File No. ALBR-0067-1/99AB139-A    Attorney YOD

Mailed 01/23/03    Filed \_\_\_\_\_    Due Date \_\_\_\_\_

RECEIVED

JAN 30 2003



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Daniel J. Bolda et al.

Serial No.: 09/675,858

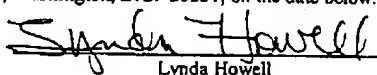
Filed: September 29, 2000

For: ADJUSTABLE GAIN PRECISION  
FULL WAVE RECTIFIER WITH  
REDUCED ERROR§  
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§  
§

Group Art Unit: 2819

Examiner: Jeanglaude, Jean B.

Atty. Docket: 99AB139-A/YOD  
ALBR:0067--1Assistant Commissioner  
for Patents  
Washington, D.C. 20231

CERTIFICATE OF MAILING	
37 C.F.R. 1.8	
I hereby certify that this correspondence is being deposited with the U.S. Postal Service as First Class Mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on the date below:	
January 23, 2003	
Date	Lynda Howell

Sir:

**PETITION UNDER 37 C.F.R. § 1.181 (or § 1.8 (b))  
TO WITHDRAW HOLDING OF ABANDONMENT**

This Petition is filed in response to the Notice of Abandonment (Exhibit 1) mailed on January 7, 2003. The Notice of Abandonment states that no proposed new formal drawings were received and that the above-referenced application has been abandoned because of Applicants' failure to timely file new formal drawings as required in the Notice of Allowability (Exhibit 2). In view of the remarks set forth below, Applicants respectfully request withdrawal of the holding of abandonment.

On October 23, 2002, Applicants timely filed new formal drawings as required in the Notice of Allowability. Attached is a copy of the transmittal (Exhibit 3) with the accompanying certificate of mailing and formal drawings. Also attached is the postcard (Exhibit 4) evidencing receipt by the Patent & Trademark Office on October 29, 2002.

Serial no. 09/675,858  
Petition under 37 CFR § 1.181  
Page 2

In view of these facts, a complete response to the Notice of Allowance was filed in a timely manner, so the above-referenced application was not abandoned and should not now be considered abandoned. Accordingly, it is respectfully requested that the attached documents be accepted and entered into the file for the above-referenced application. It is further respectfully requested that the Commissioner withdraw the holding of abandonment and reinstate the application with its original filing date.

For additional support, attached are a Statement (Exhibit 5) attesting on a personal knowledge basis to the timely mailing of the formal drawings, a copy of the issue fee transmittal (Exhibit 6), and a copy of the postcard (Exhibit 7) evidencing receipt of the issue fee transmittal. Finally, clean copies of the two sheets of formal drawings are enclosed.

It is not believed per 37 C.F.R. § 1.181 (or § 1.8(b)) that any fees are required for filing this Petition. However, the Commissioner is authorized to charge Assignee's Deposit Account No. 01-0857; Order No. 99AB139A/YOD (ALBR:0067--1) for any fees which may be required.

Respectfully submitted,

Date: 1/23/2003

Pat S. Yoder  
Patrick S. Yoder  
Reg. No. 37,479  
Fletcher, Yoder & Van Someren  
P.O. Box 692289  
Houston, TX 77269-2289

CORRESPONDENCE ADDRESS  
ALLEN-BRADLEY COMPANY, LLC  
Patent Department/704P Floor 8 T-29  
1201 South Second Street  
Milwaukee, Wisconsin 53204  
Attention: Mr. Alexander Gerasimow  
Phone: (414) 382-2000

JAN. 16. 2003 11:42AM

ROCKWELL AUTOMATION

EXHIBIT

NO. 961

P. 2

p. 1/2



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20531  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/675,858	09/29/2000	Daniel J. Bolda	99AB139-A	1079

7590

01/07/2003

John J Horn  
Rockwell Automation  
1201 South Second Street  
Milwaukee, WI 53204

EXAMINER

JEANGLAUDE, JEAN BRUNER

ART UNIT

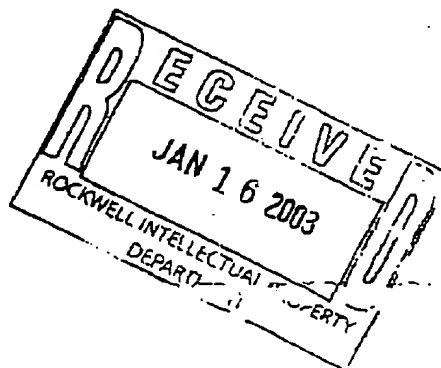
PAPER NUMBER

2819

DATE MAILED: 01/07/2003

PH16

Please find below and/or attached an Office communication concerning this application or proceeding.



RESPONSE DUE

PTO-90C (Rev. 07-01)

MAR 16 2003 11:42AM

ROCKWELL AUTOMATION

NO. 961 P. 3

P. 2/2

EXHIBIT 1



UNITED STATES DEPARTMENT OF COMMERCE  
 Patent and Trademark Office  
 Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
 Washington, D.C. 20231

APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
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09/675,858

EXAMINER
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ART UNIT	PAPER NUMBER
----------	--------------

P. 16

DATE MAILED:

## NOTICE OF ABANDONMENT

This application is abandoned in view of:

- ☐ Applicant's failure to timely file a proper response to the Office letter mailed on \_\_\_\_\_.
- ☐ A response (with a Certificate of Mailing or Transmission of \_\_\_\_\_) was received on \_\_\_\_\_, which is after the expiration of the period for response (including a total extension of time of \_\_\_\_\_ month(s)) which expired on \_\_\_\_\_.
- ☐ A proposed response was received on \_\_\_\_\_, but it does not constitute a proper response to the final rejection.
- (A proper response to a final rejection consists only of: a timely filed amendment which places the application in condition for allowance; a Notice of Appeal; or the filing of a continuing application under 37 CFR 1.62 (FWC).
- ☐ No response has been received.
- ☐ Applicant's failure to timely pay the required issue fee within the statutory period of three months from the mailing date of the Notice of Allowance.
- ☐ The issue fee (with a Certificate of Mailing or Transmission of \_\_\_\_\_) was received on \_\_\_\_\_.
- ☐ The submitted issue fee of \$\_\_\_\_\_ is insufficient. The issue fee required by 37 CFR 1.18 is \$\_\_\_\_\_.
- ☐ The issue fee has not been received.
- ☒ Applicant's failure to timely file new formal drawings as required in the Notice of Allowability.
- ☐ Proposed new formal drawings (with a Certificate of Mailing or Transmission of \_\_\_\_\_) were received on \_\_\_\_\_.
- ☐ The proposed new formal drawings filed \_\_\_\_\_ are not acceptable.
- ☒ No proposed new formal drawings have been received.
- ☐ The express abandonment under 37 CFR 1.62(g) in favor of the FWC application filed on \_\_\_\_\_.
- ☐ The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants.
- ☐ The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a) upon the filing of a continuing application.
- ☐ The decision by the Board of Patent Appeals and Interferences rendered on \_\_\_\_\_ and because the period for seeking court review of the decision has expired and there are no allowed claims.
- ☐ The reason(s) below:

ABANDONMENT  
 CONTACT PERSON IS:  
 TOM HAWKINS  
 305-8380

E: 11:51T 2

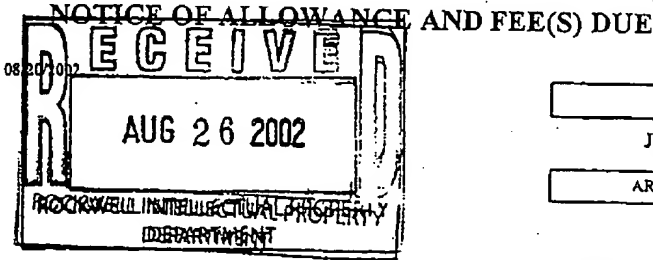
P: 1/3



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231  
www.uspto.gov

7590  
John J Horn  
Rockwell Automation  
1201 South Second Street  
Milwaukee, WI 53204



EXAMINER	
JEANGLAUDE, JEAN BRUNER	
ART UNIT	CLASS-SUBCLASS
2819	341-13900

DATE MAILED: 08/20/2002

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/675,858	09/29/2000	Daniel J. Bolda	99AB139-A	1079

TITLE OF INVENTION: ADJUSTABLE GAIN PRECISION FULL WAVE RECTIFIER WITH REDUCED ERROR

DOCKETED  
BY [Signature]  
CHECKED [Signature]

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1280	50	\$1280	11/20/2002

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

## HOW TO REPLY TO THIS NOTICE:

## I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.

☐ Applicant claims SMALL ENTITY status.  
See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

RAV ALBR:0067

EXHIBIT 2

P. 2/3

ALR

## Notice of Allowability

Application No.

09/675,858

Applicant(s)

BOLDA ET AL.

Examiner

Jean B Jeanglaude

Art Unit

2819

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment files on 06-19-02.
2. ☒ The allowed claim(s) is/are 32-69.
3. ☐ The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- \* Certified copies not received: \_\_\_\_\_.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
  - (a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☒ CORRECTED DRAWINGS must be submitted.
  - (a) ☒ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☒ to Paper No. 9.
  - (b) ☐ including changes required by the proposed drawing correction filed \_\_\_\_\_, which has been approved by the Examiner.
  - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the top margin (not the back) of each sheet. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

- |  |  |
|--|--|
| 1 <input type="checkbox"/> Notice of References Cited (PTO-892)  | 2 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3 <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                    | 4 <input type="checkbox"/> Interview Summary (PTO-413), Paper No. _____    |
| 5 <input type="checkbox"/> Information Disclosure Statements (PTO-1449), Paper No. _____               | 6 <input type="checkbox"/> Examiner's Amendment/Comment                    |
| 7 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8 <input type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|  | 9 <input type="checkbox"/> Other   |

*Peguy Jean Pierre*  
PEGUY JEANPIERRE  
PRIMARY EXAMINER

EXHIBIT 2

p. 7/3



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
 Washington, D.C. 20231  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/675,858	09/29/2000	Daniel J. Bolda	99AB139-A	1079

7590

08/20/2002

EXAMINER

JEANGLAUDE, JEAN BRUNER

ART UNIT

PAPER NUMBER

2819

DATE MAILED: 08/20/2002

John J Horn  
 Rockwell Automation  
 1201 South Second Street  
 Milwaukee, WI 53204

**Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)**  
 (application filed on or after May 29, 2000)

The patent term adjustment to date is 0 days. If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the term adjustment will be 0 days.

If a continued prosecution application (CPA) was filed in the above-identified application, the filing date that determines patent term adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system. (<http://pair.uspto.gov>)

JAN. 16. 2003 11:43AM

ROCKWELL AUTOMATION

EXHIBIT 3

NO. 961

P. 6

P. 1/3

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Daniel J. Bolda et al.

Serial No.: 09/675,858

Filed: September 29, 2000

For: ADJUSTABLE GAIN PRECISION  
FULL WAVE RECTIFIER WITH  
REDUCED ERROR§  
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Group Art Unit: 2819

Examiner: Jeanglaude, Jean B.

Atty Docket: 99AB139-A/YOD  
(ALBR:0067-1)Assistant Commissioner  
for Patents  
Washington, D.C. 20231  
ATTN: OFFICIAL DRAFTSMANCERTIFICATE OF MAILING  
37 C.F.R. 1.8I hereby certify that this correspondence is being deposited with the U.S.  
Postal Service as First Class Mail in an envelope addressed to: Assistant  
Commissioner for Patents, Washington, D.C. 20231, on the date below:

10/23/02

Date

Lynda Howell

Sir:

TRANSMITTAL OF FORMAL DRAWINGSEnclosed are two (2) sheets of formal drawings for the above-referenced patent  
application.

Respectfully submitted,

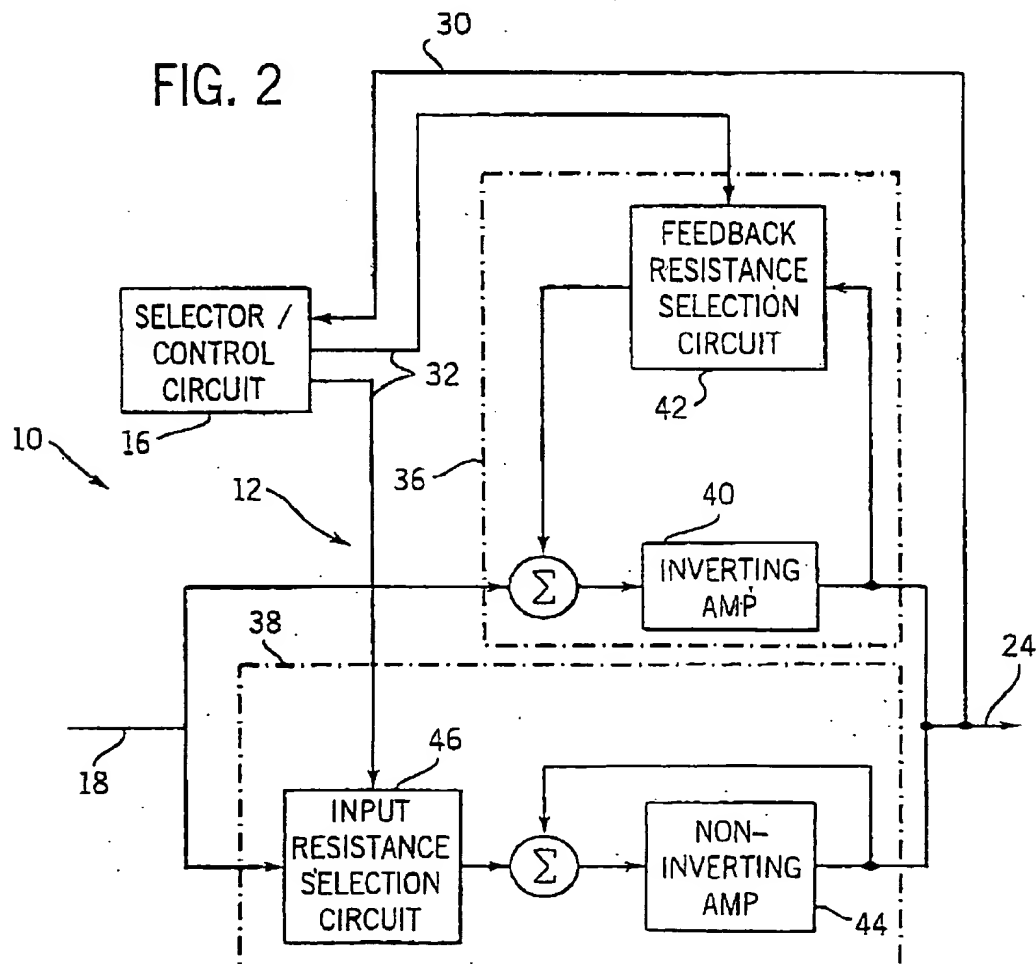
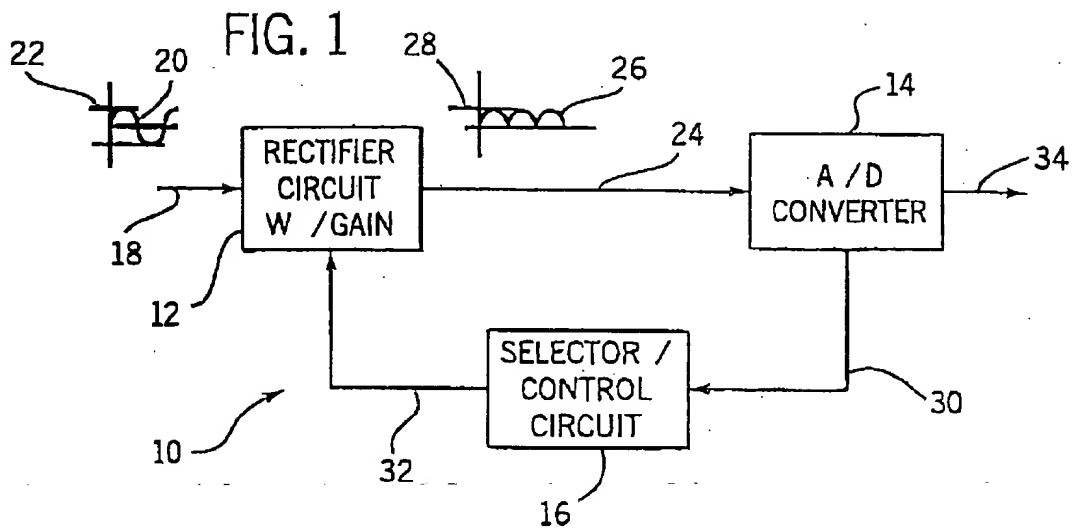
Date: 10/23/2002

\_\_\_\_\_  
Patrick S. Yoder  
Reg. No. 37,479  
Fletcher, Yoder & Van Someren  
P.O. Box 692289  
(281) 970-4545



EXHIBIT 3

p. 2/3



JAN. 16. 2003 11:44AM

ROCKWELL AUTOMATION

NO. 961 P. 8

EXHIBIT 3

p. 3/3

FIG. 3

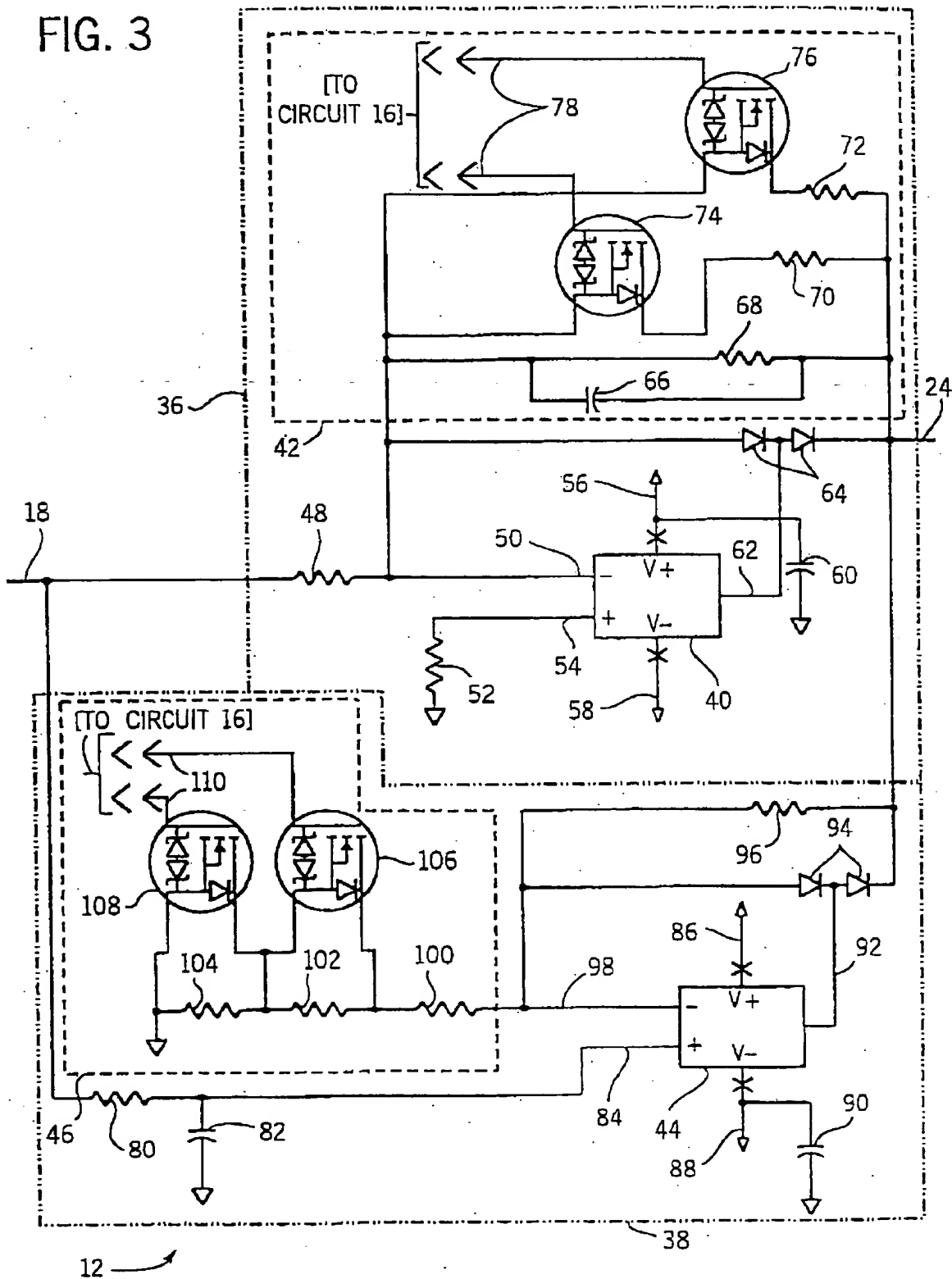


EXHIBIT 4

p. 1/1

Please indicate receipt of  
the below-identified paper:

☐ New application Specification: \_\_\_\_\_ Pages; Drawings: \_\_\_\_\_ Sheets

☐ Continuation ☐ Divisional ☐ CIP

☐ Response to Office Action dated \_\_\_\_\_ ☐ Final Rejection  
☒ Other Transmittal of Formal Drawings; 3 sheets of formal drawings

☐ Assignment enclosed ☒ Cert. Of Timely Mailing ☐ Express Mail

## Identification of Application:

Serial No. 09/575,858

Title ADJUSTABLE GAIN PRECISION FULL WAVE RECTIFIER WITH  
WITH REDUCED ERROR

Applicant Daniel J. Bolda et al.

Client ~~XXXXXX~~ Rockwell

File No. ALER:0067-1/99A3139-A

Attorney YOD

Mailed 10/23/02

Filed

Due Date 11/20/02

Exhibit 5

P. 1/2

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Daniel J. Bolda et al.

Serial No.: 09/675,858

Filed: September 29, 2000

For: ADJUSTABLE GAIN PRECISION  
FULL WAVE RECTIFIER WITH  
REDUCED ERROR§  
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Group Art Unit: 2819

Examiner: Jeanglaude, Jean B.

Atty. Docket: 99AB139-A/YOD  
ALBR:0067-1

Sir:

**DECLARATION OF LYNDA HOWELL IN SUPPORT OF  
PETITION UNDER 37 C.F.R. § 1.181 (or 1.8(b)) TO  
WITHDRAW HOLDING OF ABANDONMENT**

I, Lynda Howell, a citizen of the United States of America, declare that:

1. All statements herein made of my own knowledge are true and that all statements herein made on information and belief are believed to be true and, further, that these statements are made with the knowledge that willful false statements, and the like, are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that such willful false statements may jeopardize the validity of the Application or any patent issuing thereon.

2. I reside at 7722 Covington Drive, Houston, Texas, 77095.

3. I am employed at the firm of Fletcher, Yoder & Van Someren, located at 7915 FM 1960 West, Suite 330, Houston, Texas 77070. I support Pat Yoder who is outside counsel to Allen-Bradley Company and the attorney of record in the above-referenced Patent Application.

4. On October 23, 2002, I filed the transmittal with attached formal drawings for the above-referenced Patent Application, and executed the accompanying certificate of mailing.

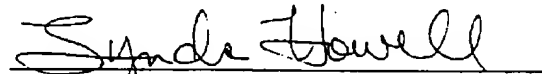
P. 2/2

Serial no. 09/675,858

Declaration of Lynda Howell in Support of Petition

Page 2

5. I attest on a personal knowledge basis to the timely mailing of the formal drawings on October 23, 2002 for the above-referenced Patent Application in response to the Notice of Allowance mailed on August 20, 2002.

Date: 1/23/03

Lynda Howell  
Fletcher, Yoder & Van Someren  
P.O. Box 692289  
Houston, TX 77269-2289  
Tel.: (281) 970-4545  
Fax: (281) 970-4503

JAN. 16. 2003 11:43AM

ROCKWELL AUTOMATION

EXHIBIT 6

NO. 961

P. 5

## PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** Box ISSUE FEE  
 Commissioner for Patents  
 Washington, D.C. 20231  
**Fax** (703)746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)  
 7590 08/20/2002

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

John J Horn  
 Rockwell Automation  
 1201 South Second Street  
 Milwaukee, WI 53204

Certificate of Mailing or Transmission  
 I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Box Issue Fee address above, or being facsimile transmitted to the USPTO, on the date indicated below.

Susan M. Donahue (Depositor's name)  
 Susan M. Donahue (Signature)  
 November 12, 2002 (Date)

APPLICATION NO.	FILING DATE	FIRST NAME INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/675,838	09/29/2000	Daniel J. Bolde	99AB139-A	1079

TITLE OF INVENTION: ADJUSTABLE GAIN PRECISION FULL WAVE RECTIFIER WITH REDUCED ERROR

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1280	\$0	\$1280	11/20/2002

EXAMINER	ART UNIT	CLASS SUBCLASS
JEANGLAUDE, JEAN BRUNER	2819	34-139000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1. Robert A. Van Someren  
 2. Alexander M. Gerasimow  
 3. William R. Walbrun

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE (CITY and STATE OR COUNTRY)

Rockwell Automation Technologies, Inc. Mayfield Heights, Ohio 44124

Please check the appropriate assignee category or categories (will not be printed on the patent) ☐ individual ☒ corporation or other private group entity ☐ government

4a. The following fee(s) are enclosed:

4b. Payment of Fee(s):

- ☒ Issue Fee  
☐ Publication Fee  
☐ Advance Order - # of Copies \_\_\_\_\_

- ☐ A check in the amount of the fee(s) is enclosed.  
☐ Payment by credit card. Form PTO-2038 is attached.

☒ The Commissioner is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 01-0857 (enclose an extra copy of this form).

Commissioner for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

(Authorized Signature)

(Date)

Alexander M. Gerasimow 11-12-02

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant, a registered attorney or agent, or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

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PTOL-55 (REV. 04-02) Approved for use through 01/31/2004. OMB 0651-0033

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

JAN. 16. 2003 11:43AM

ROCKWELL AUTOMATION

NO. 961

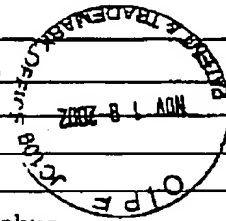
P. 4

EXHIBIT

P. 1/1

Please indicate receipt of the materials enclosed herewith by stamping  
and mailing this card.

Applicant Daniel J. Bolda, et al.  
Serial # 09/675,858  
Filed September 29, 2000  
For Adjustable Gain Precision Full Wave Rectifier  
with Reduced Error  
Docket No./Attorney 99AB139-A / RAV/AMG  
Item PART B - ISSUE FEE TRANSMITTAL  
Date Mailed November 12, 2002 By SMDonahue



RE5015A

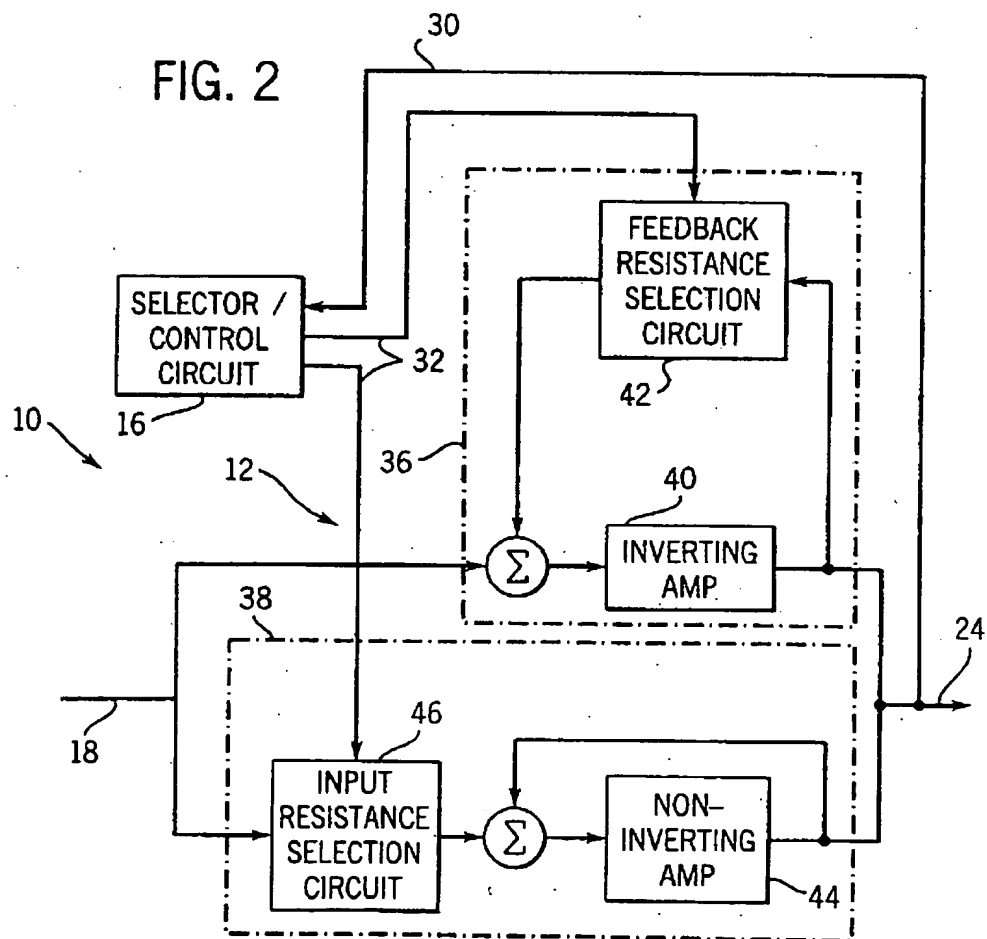
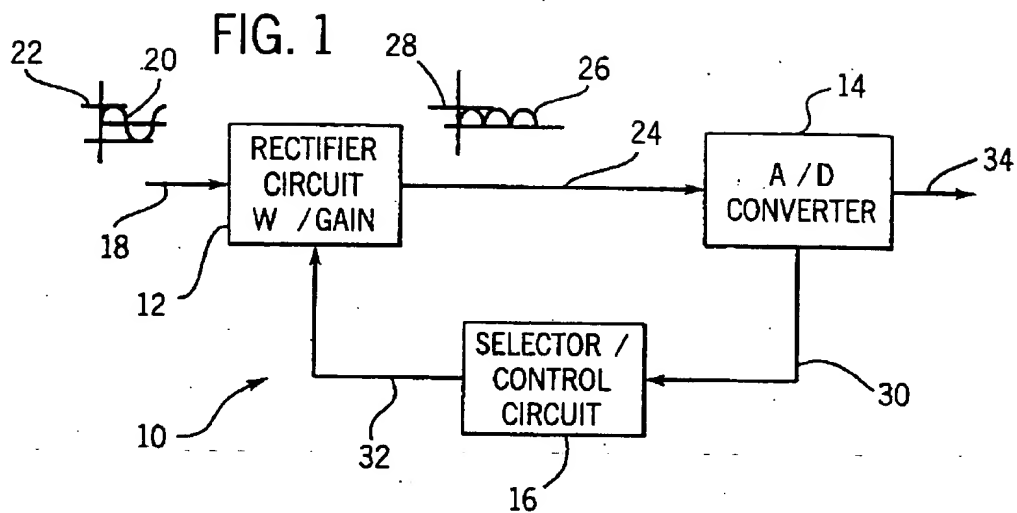
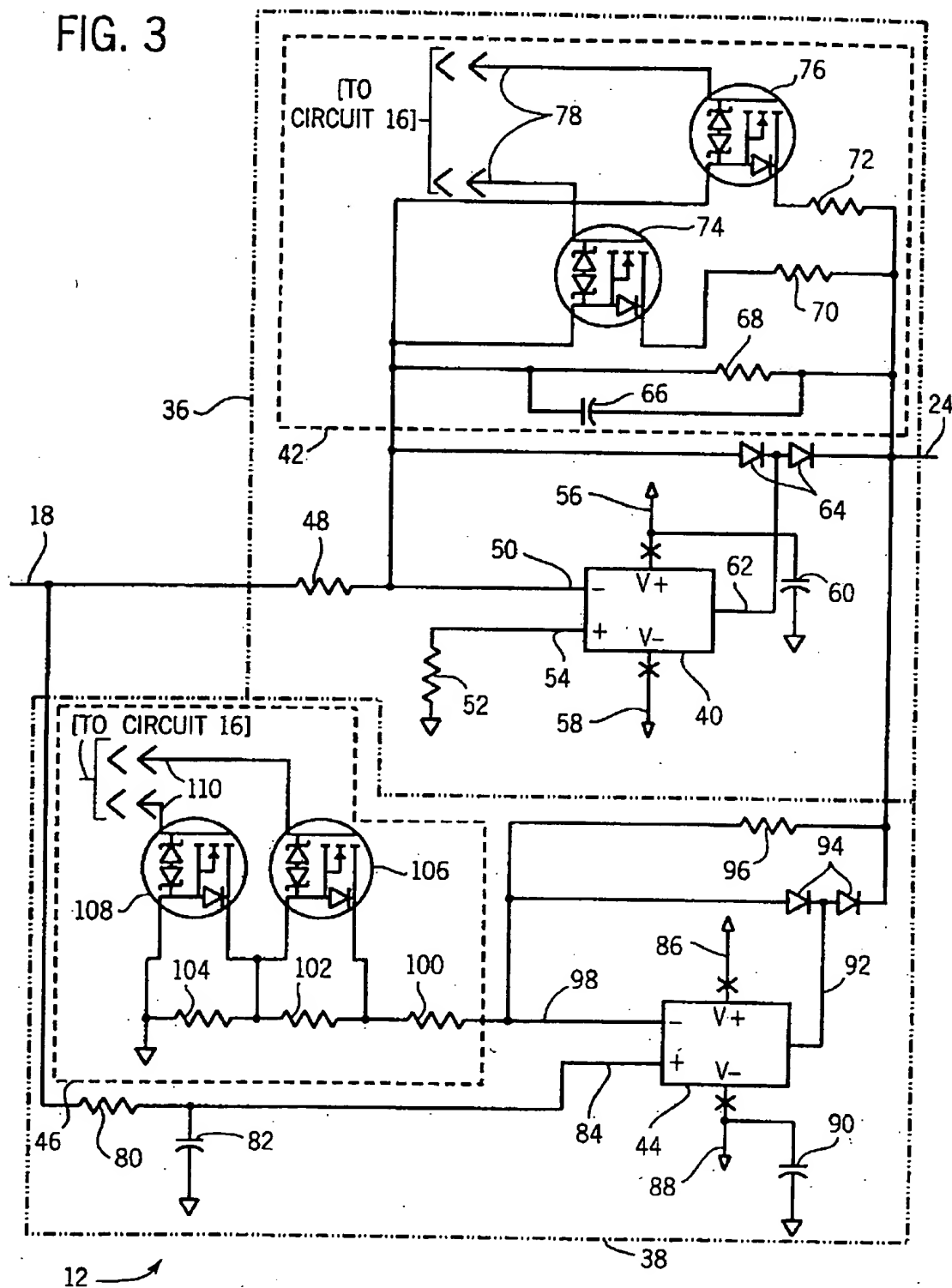




FIG. 3



Please indicate receipt of  
the below-identified paper:

☐ New Application ☐ Specification: \_\_\_\_\_ Pages: \_\_\_\_\_ Drawings: \_\_\_\_\_ Sheets  
☐ Continuation ☐ Divisional ☐ CIP ☐ CPA

Please indicate receipt of  
the below-identified paper:

☐ New Application ☐ Specification: \_\_\_\_\_ Pages: \_\_\_\_\_ Drawings: \_\_\_\_\_ Sheets  
☐ Continuation ☐ Divisional ☐ CIP ☐ CPA

☐ Response to Office Action dated \_\_\_\_\_ ☐ Final Rejection  
☒ Other Status Inquiry

☐ Assignment enclosed ☒ Cert. Of Timely Mailing



Identification of Application:

Serial No. 09/675,858

Title ADJUSTABLE GAIN PRECISION FULL WAVE RECTIFIER  
WITH REDUCED ERROR

Applicant Daniel J. Bolda et al.

Client Rockwell 67-1

File No. ALBR 09/675,858 AB139-A

Mailed 02/11/04

Filed \_\_\_\_\_

Attorney YOD  
Due Date \_\_\_\_\_

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Daniel J. Bolda et al.

Serial No.: 09/675,858

Filed: September 29, 2000

For: ADJUSTABLE GAIN PRECISION  
FULL WAVE RECTIFIER WITH  
REDUCED ERROR§  
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Group Art Unit: 2819

Examiner: Jeanglaude, Jean B.

Atty. Docket: ALBR:0067-1/YOD  
99AB139-ACommissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450CERTIFICATE OF MAILING  
37 C.F.R. 1.8

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date below:

February 11, 2004

Date

Lynda Howell

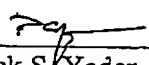
**STATUS INQUIRY**

A Petition under 37 C.F.R. § 1.181 (or 1.8(b)) to Withdraw Holding of Abandonment was filed on January 23, 2003 for above-referenced application and received in the Office of Patent Publication Director's Office on January 30, 2003. We again submitted the Petition to Withdraw Holding of Abandonment (via Facsimile) on November 5, 2003 to Examiner Hien Phan. However, since that time, Applicants have received no response from the United States Patent and Trademark Office. Applicants respectfully request that the Patent Office provide the undersigned with the current status of the above-referenced application.

The Patent Office is encouraged to contact the undersigned at the number listed below with any questions.

Respectfully submitted,

Date: 2/11/2004

  
Patrick S. Yoder  
Reg. No. 37,479  
FLETCHER YODER  
P.O. Box 692289  
Houston, TX 77269-2289  
(281) 970-4545